

CAPCA

54th Annual Spring Technical Workshop & Forum

Omni Grove Park Inn • Asheville, North Carolina • April 12-14, 2023

PROGRAM AGENDA



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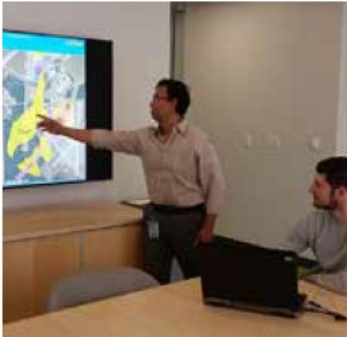
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Spring 2023 Workshop Conference Agenda

Visit www.capca-carolinas.org
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Wednesday, April 12, 2023 - Morning Technical Sessions

9:00-11:30 AM - Basics of Visual Opacity – Method 9 (Hoover HJ)
(Pre-Registration and Additional \$120 Fee Required)
(Session Chair: Tim Agner, CAPCA Treasurer)

Marty Hughes, Senior Lecturer/Field Instructor
Eastern Technical Associates (ETA)

The workshop will include an introduction to US EPA Method 9; state, an overview of state, federal and local regulations; the importance of using Method 9; the principles of visible emissions measurements; alternate visible emissions measurements; US EPA Method 22; a visible emissions practice session; and answers to your visible emissions questions. Attendees that complete this workshop will be qualified to conduct Method 22 testing.

10:00 AM – 4:30 PM – Registration (Coolidge)

11:30 AM – 1:30 PM – Young Professionals Committee Lunch Meeting (Eisenhower FG)
RSVP Required

(Session Chairs: Sanjam Singh and Pierce Werner, CAPCA YP Committee)

Wednesday, April 12, 2023 - Afternoon Technical Sessions

1:30-1:40 PM – Conference Welcome & Introductory Remarks (Grand Ballroom A) -
Rhonda Thompson, CAPCA Vice President & Chair of Program Committee

1:40-2:20 PM - Compliance Short #1: Gaining Efficiency and Adding Quality in LDAR
Compliance Using Technology
(Session Chair: Margaret Sembos, CAPCA Director)

David Owen, President and Principal Senior Scientist, Environmental 360, Inc.

Leak Detection and Repair (LDAR) compliance can be challenging for all stakeholders responsible for compliance. From the monitoring technician in the field, to the environmental staff managing reporting to the maintenance team completing repairs to findings, there are opportunities to make each team members tasks more efficient with added quality control through automated compliance.

2:20-3:00 PM - Compliance Short #2: Monitoring Ammonia and NOx in Gas Streams
Session Chair: Rob VandenMeiracker, CAPCA Director)

Jeff Wheeler, Managing Director CEMS Division, Air Techniques, Inc.

With more and more emphasis being placed upon Nitrogen Oxide (NOx) emissions and the use of ammonia-based reagents to minimize NOx emissions, using the minimum amount of an expensive reagent has become quite useful and sometimes required to measure the amount of flue gases leaving the process. This can be coupled with NOx inlet/outlet measurements or simply with outlet compliance for effective usage. This presentation deals with the most common ways to monitor ammonia slip in addition to the traditional measurement for NOx present in the gaseous streams. We will discuss the five current common methods of monitoring, the advantages and disadvantages of each method, and the relative costs to implement and use these options.

3:00-3:30 PM - BREAK

3:30-4:15 PM - Compliance Short #3 Advanced Data Technologies to Support Compliance Tools

(Session Chair: Ruth Albright, CAPCA Director)

Jason Samus Program Manager/Senior Business Analyst, EA Engineering, Science, and Technology, Inc., PBC

The landscape of technologies available to support compliance reporting is constantly evolving, bringing with it new capabilities to assist organizations with their overall data management and reporting requirements. In this session we will review the current technologies available at each of the key stages of the data life cycle - collection, management, analysis and reporting - that organizations can utilize to support their compliance process. For each stage, we will review applicable technologies, key considerations for implementation and spotlight examples of successful industry applications.

4:15-5:00 PM – Compliance Short #4: The Good, The Bad and The Ugly of Compliance Inspections

(Session Chair: Melvin Stroble, EA Engineering)

Ray Stewart, P.E., Regional Supervisor, Winston Salem Regional Office, Division of Air Quality, NC Department of Environmental Quality

Taylor Hartsfield, Deputy Director, Raleigh Regional Office, Division of Air Quality, NC Department of Environmental Quality

Alan Risa, Environmental Health Manager, Bureau of Environmental Health Services, South Carolina Department of Health and Environmental Control – Aiken Office

Ever given thought to the good, the bad, and ugly of air quality compliance inspections? Join us for a peek into typical and atypical compliance inspections from the perspective of state regulators. Best practices and successful implementation will be demonstrated. The presenters will also touch on bad execution via common pitfalls and lessons learned. Finally, examples of lack of preparation illustrate ugly outcomes and situations to avoid. Attendees should leave this session with a better understanding of how to prepare for an unannounced compliance inspection, how to make sure things go smoothly, and how to avoid any dreaded violations. Be prepared to witness the good, the bad, and the ugly of air quality compliance inspections!

5:15-6:15 PM - Cornhole Hour! (Mountain View Terrace)

CAPCA's Young Professionals Committee is hosting an hour of relaxation and refreshment provided by **Tora Consulting**. Before heading to the Wednesday evening symposium/dinner, visit the Mountain View Terrace for a round of cornhole, a cold drink, live music from The Passing Scene brought to you by **TRC** and a bit of conversation. Meet someone new or challenge a colleague to a friendly competition. This event is open to all CAPCA members.

6:30-8:30 PM – Symposium/Dinner in the Heritage Ballroom

Thursday April 13, 2023 - Morning Technical Sessions

7:30-8:30 AM – Breakfast in Exhibit Hall (Grand Ballroom B/C)

8:30-8:40 AM - Welcome & Introductory Remarks
Mike Abraczinskas, CAPCA President



8:40–9:30 AM - EPA Update
(Session Chair: Mike Abraczinskas, CAPCA President)
Caroline Freeman, Director Air & Radiation Division USEPA Region 4
Carol Kemker, Director Enforcement and Compliance Assurance Division, USEPA Region 4EPA This presentation will provide an update on activities and priorities for EPA Region 4 on air quality matters and how these affect sources in North and South Carolina.

9:30-10:30 AM – Fireside Chats With Air Directors
(Session Chair: Jessie King, CAPCA Immediate Past President)
Rhonda Banks Thompson, P.E., Chief, Bureau of Air Quality SC Department of Health & Environmental Quality
Mike Abraczinskas, Director, Division of Air Quality, NC Department of Environmental Quality Join us for a “fireside chat” with the NC and SC air directors where the moderator will ask questions of interest to the air quality community. Send in your questions ahead of this session at capcaquestions@gmail.com

10:30-11:00 AM – Break in Exhibit Hall (Grand Ballroom B/C)
Thank you to **SynTerra Consulting** for being a break contributor

11:00-11:30 AM Morning Speakers Q&A Session
(Session Chair: Jessie King, CAPCA Immediate Past President)
Morning Speakers

11:30-12:00 noon – Update From EPA Regional Administrator
(Session Chair: Mike Abraczinskas, CAPCA President)
Daniel Blackman, Regional Administrator
USEPA Region 4



Thursday April 13, 2023 - Afternoon Technical Sessions

12:00-1:00 PM - Lunch in Blue Ridge Dining Room

1:00-1:30 PM - Program Committee Meeting
(Session Chair: Rhonda Thompson, CAPCA Vice President)
All attendees are invited to share ideas and suggestions for future CAPCA programs. The meeting will be held in the back of the main meeting room.

1:00-1:30 PM - Young Professionals Meeting
(Session Chairs: Sanjam Singh & Pierce Werner)
All attendees are invited to share ideas and suggestions for future CAPCA programs. The meeting will be held in the back of the main meeting room.

Thursday April 13, 2023 - Afternoon Technical Sessions Cont.

1:30-3:00 PM - Permitting Basics: Part 2 – The Application Review Process
(Session Chair: Rhonda Thompson, CAPCA Vice President)

Tony Jabon, P.E. Regional Director Trinity Consultants

Monica Taylor, Public Participation Coordinator Bureau of Air Quality, SCDHEC

Lillian Dorka, Deputy Assistant Administrator for External Civil Rights, Office of Environmental Justice and External Civil Rights

Now that the permit application has been submitted to the permitting agency, what happens next? This session will explore what it takes to get a permit application deemed complete; the technical review process; and public participation activities, including public notice, community meetings, hearings, responding to public comments and community engagement. Also, during this session, there will be an overview of the Title VI laws and authorities and how the EPA is addressing environmental justice, civil rights, and cumulative impacts on communities in permitting and other decision making.

3:00-3:30 PM - BREAK in Exhibit Hall (Grand Ballroom B/C)

3:30-5:00 PM - PFAS in the Environment – The Importance of the Air Emissions Pathway
(continued)

(Session Chair: Jessie King, Immediate CAPCA Past President)

Matt Traister, PE, Vice President, Ramboll

Bill Norris, Technical Manager, Ramboll

Stephen Jackson, US EPA, ORD, CEMM

Per- and Polyfluoroalkyl Substances (PFAS) are widely used, long lasting chemicals, components of which break down very slowly over time. Much of the interest, research into health impacts, and regulatory developments over the last decade have focused on PFAS in water. However, the importance of the air quality pathway has become better understood in recent years. This session will focus on a brief regulatory update on keys PFAS, the latest on thermal treatments, and pfas stack test methods that are available to quantify PFAS air emissions.

5:30-7:30 PM - Symposium in Exhibit Hall (Grand Ballroom B/C) for an evening straight from outer space.

Friday April 14, 2023 - Morning Technical Sessions

7:30-9:00 AM – Breakfast in Exhibit Hall (Grand Ballroom B/C)

8:30 AM - Exhibitor Drawings - Exhibit Hall (Grand Ballroom B/C)

9:00-9:05 AM - Welcome & Announcements

Mike Abraczinskas, CAPCA President

9:05-10:30 AM - PM NAAQS Challenges with a more stringent standard

(Session Chair: Amy Marshall, CAPCA Secretary)

Ryan A. Gesser, CCM Senior Manager, Air Quality Division, Georgia-Pacific

Dale Overcash, P.E. Principal Consultant, Trinity Consultants

Jon Hill, Managing Consultant, Trinity Consultants

Challenges with a more stringent standard. This session will provide an overview of the proposed changes to the PM NAAQS, challenges industry will face with a lower standard, and suggestions for mitigating the effects of a lower standard. The first part of the session will focus on the background, possibilities for creative implementation strategies, and general thoughts on path forward under a lower standard. The second part of the session will focus on specific permitting and modeling case studies and how specific challenges were overcome, with an eye on what additional effort might be needed under a lower standard.

10:30-11:45 AM - Legal Perspectives: Ins-and-Outs of the Attorney-Client Privilege & Voluntary Self-Disclosure and Environmental Audit Policies

(Session Chair: Fern Paterson, CAPCA Director)

Pierce Werner, Attorney, Moore & Van Allen

Mallory Sparks, Attorney, Parker Poe

Uses and Limits of the Attorney-Client Privilege. When does the attorney-client privilege apply? Does it apply to communications with in-house counsel? Does it extend to consultants or other non-attorneys working on legal matters? What about engineering performance tests or compliance audits? Pierce Werner will review the basics of the attorney-client privilege, and then take a deeper dive into recent court decisions and examples of uses (and limits) of the privilege. **Self-Disclosure and Environmental Audit Policies** - Federal and state policies can eliminate or significantly reduce penalties for non-compliance matters that are voluntarily discovered and disclosed by facility operators, and can protect documents and communications created during a voluntary compliance audit. However, the policies only apply if the facility meets specific qualifying criteria. Mallory Sparks will discuss these policies, including what the policies cover and what they do not.

11:45 AM - CONFERENCE WRAP UP, GIFT CARD DRAWINGS, ADJOURN

NOTICE: AN ELECTRONIC CERTIFICATE WILL BE E-MAILED TO CAPCA ATTENDEES.

CAPCA PRESENTATIONS ONLINE

To access presentations after the meeting on the website, use:
www.capca-carolinas.org PASSWORD: mountaintop23

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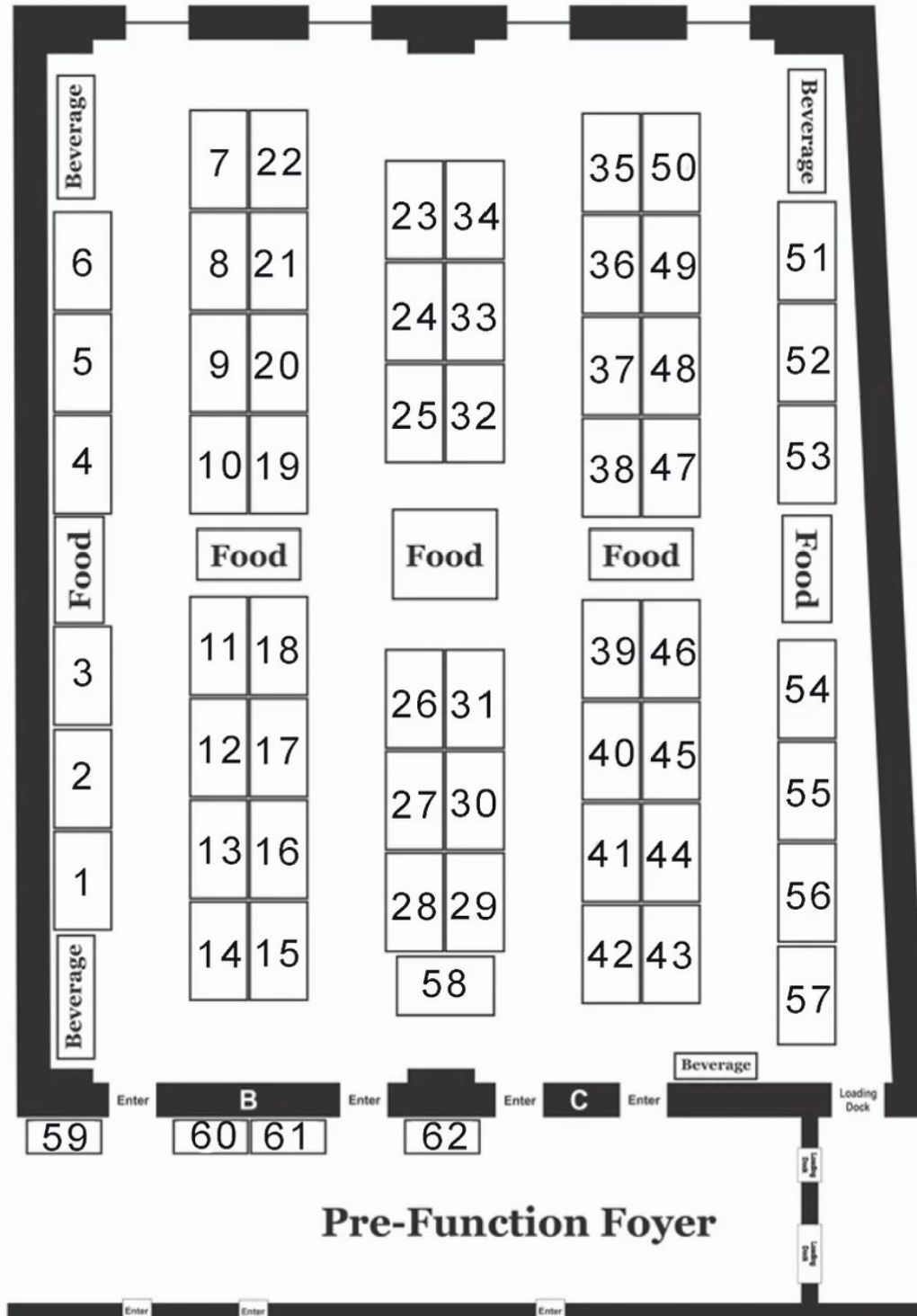
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- Enthalpy Analytical (43)
- ENVEA Inc. (42)
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- HEPACO, LLC (41)
- Integrity Air Monitoring (35)
- IVI Inc. (7)
- Kleinfelder, Inc. (30)
- Leaf Environmental & Engineering, P.C. (4)
- M&C TechGroup (37)
- Montrose Environmental Group (44)
- MVA Scientific Consultants (34)
- NC-DAQ (5)
- Nestec Inc (48)
- Nexus Solutions (46)
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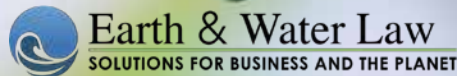
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Karen Crawford, who is proud to be a long-term CAPCA member and Past President, practices in the areas of environmental law and litigation, employee safety, product safety, and tort litigation. An engineer by training and experience, she earned recognition as a Qualified Environmental Professional in 1997 from the Institute of Professional Environmental Practice. She is admitted to practice law in Pennsylvania, Washington, D.C., and South Carolina,



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AIR ACRONYMS

AAPCA	Association of Air Pollution Control Agencies
ACM	Asbestos-Containing Material
ANSI	American National Standards Institute
AQCR	Air Quality Control Region
ASTM	American Society for Testing & Materials
BACT	Best Available Control Technology
BART	Best Available Retrofit Technology
BIF	Boiler and Industrial Furnace
BMP	Best Management Practice
BTU	British Thermal Units
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CAM	Compliance Assurance Monitoring
CASAC	Clean Air Scientific Advisory Committee (EPA)
CBI	Confidential Business Information
CAIR	Comprehensive Assessment Information Rule
CAS	Chemical Abstract Service
CDX	Central Data Exchange
CEM	Continuous Emission Monitoring
CERCLA	Comprehensive Environmental Response Compensation Liability Act
CFC	Chlorofluorocarbon - an ozone-depleting refrigerant
CFR	Code of Federal Regulations
COM	Continuous Opacity Monitoring
CPMS	Continuous Parametric Monitoring System
CSAPR	Cross-State Air Pollution Rule
DEQ	Department of Environmental Quality
DHEC	Department of Health & Environmental Control
DRE	Destruction and Removal Efficiency
ECOS	Environmental Council of the States
EIS	Environmental Impact Statement
EMS	Environmental Management System
ESA	Environmental Site Assessment
EPCRA	Emergency Planning and Community Right-to-Know Act
ESP	Electrostatic Precipitator
EU	Emission Unit
FIFRA	Federal Insecticide, Fungicide and Rodenticide Act
FIP	Federal Implementation Plan
FOIA	Freedom of Information Act
GACT	Generally Achievable Control Technology
GHG	Greenhouse Gas
GWP	Global Warming Potential
HAP	Hazardous Air Pollutant
HCFC	Hydrochlorofluorocarbon
ISO	International Organization for Standardization
LAER	Lowest Achievable Emission Rate
LCA	Life Cycle Analysis/ Assessment
LDAR	Leak Detection and Repair
LOEL	Lowest Observed Effect Level
MACT	Maximum Achievable Control Technology
MCL	Maximum Concentration Limit/Level
MATS	Mercury and Air Toxics Standards
NAA	Non-Attainment Area
NAAQS	National Ambient Air Quality Standards
NACAA	National Association of Clean Air Agencies
NEPA	National Environmental Policy Act
NEI	National Emissions Inventory

NESHAP	National Emissions Standard for Hazardous Air Pollutants
NIOSH	National Institute of Occupational Safety and Health
NPL	National Priorities List (Superfund sites)
NRC	National Response Center
NFPA	National Fire Protection Act
NIH	National Institute for Health
NSPS	New Source Performance Standards
NSR	New Source Review
OAR	Office of Air and Radiation (EPA)
OAQPS	Office of Air Quality Planning and Standards (EPA)
ODS	Ozone Depleting Substances
OMB	Office of Management and Budget
OTR	Ozone Transport Region
PBT	Persistent, Bioaccumulative, Toxic
PCB	Polychlorinated biphenyl
PEL	Permissible Exposure Limit
PEMS	Predictive Emissions Monitoring System
PID	Photo Ionization Detector
PM10	Particulate Matter< 10 micrometers
PM2.5	Particulate Matter< 2.5 micrometers
POM	Polycyclic Organic Matter
PSD	Prevention of Significant Deterioration
PTE	Potential to Emit
QA/QC	Quality Assurance/Quality Control
RACM	Reasonably Available Control Measure
RACT	Reasonably Available Control Technique
RATA	Relative Accuracy Test Audit
RICE	Reciprocal Internal Combustion Engine
RQ	Reportable Quantity
RMP	Risk Management Plan
RSO	Radiation Safety Officer
RTO	Regenerative Thermal Oxidizer
RCO	Regenerative Catalytic Oxidizer
SARA	Superfund Amendment Reauthorization Act
SCFM	Standard Cubic Feet per Minute
SCR	Selective Catalytic Reduction
SER	Significant Emission Rate
SERC	State Emergency Response Commission
SIC	Standard Industrial Classification
SIL	Significant Impact Level
SIP	State Implementation Plan
SNCR	Selective Noncatalytic Reduction
TAP	Toxic Air Pollutant
TEQ	Toxicity Equivalence Quotient
TPQ	Threshold Planning Quantity
TQ	Threshold Quantity
TRI	Toxic Release Inventory
TRS	Total Reduced Sulfur
TSCA	Toxic Substances Control Act
VISTAS	Visibility Improvement State & Tribal Association of the Southeast
VE	Visible Emissions
VOC	Volatile Organic Compounds
VMT	Vehicle Mile Traveled

Attention!

Attendee List Information

**In order to provide you
with a complete listing of all registered persons attending the
conference, the attendees list will be posted
on the CAPCA website at:**

www.capca-carolinas.org

accessible by

password: hills23

within 4 business weeks after conclusion of the meeting



SAVE THE DATE

for the
**54th Annual Fall Technical
Workshop & Forum**

OCTOBER 18-20, 2023

MYRTLE BEACH, SC



FUTURE CONFERENCE DATES

SPRING

April 10-12, 2024

FALL

October 18-20, 2023

October 23-25, 2024

October 22-24, 2025